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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/796,529 Confirmation No.: Unassigned
Applicants: Schinazi, *et al.*
Filed: March 8, 2004
TC/A.AU.: Unassigned
Examiner: Unassigned
Docket No.: 18085.105232 EMU 2000 CON2
Customer No.: 20786
Title: 2'-Fluoronucleosides

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

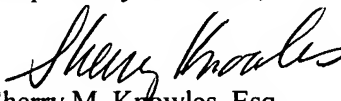
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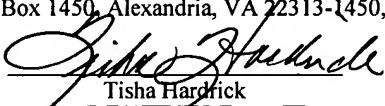
Respectfully submitted,


Sherry M. Knowles, Esq.
Reg. No. 33,052

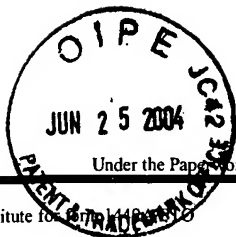

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Tisha Hardick

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Examiner Name	Unassigned
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Sheet 1 of 4

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
	AA	4,000,137	A	Dvorch, <i>et al.</i>	12-28-1976	
	AB	4,211,773	A	Lopez <i>et al.</i>	07-08-1980	
	AC	4,336,381	A	Nagata <i>et al.</i>	06-22-1982	
	AD	4,625,020	A	Brundidge <i>et al.</i>	11-25-1986	
	AE	4,666,892	A	Fox <i>et al.</i>	05-19-1987	
	AF	4,908,440	A	Sterzycki, <i>et al.</i>	03-13-1990	
	AG	5,034,518	A	Montgomery <i>et al.</i>	07-23-1991	
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	AAC	2002-0198171	A1	Schinazi <i>et al.</i>	12-26-2002	

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Group Art Unit	Unassigned
Examiner Name	Unassigned
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number	Kind Code ² (if known)				
	BA	EP	0,292,023	A2	Hoffman-LaRoche	05-24-1988		
	BB	EP	0,316,017	A2	Sterzycki <i>et al.</i>	05-17-1989		
	BC	EP	0,357,571	B1	Medivir Aktiebolag	04-03-1996		
	BD	EP	0,382,526	A2	IAF Biochem International	08-18-1990		
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	BF	EP	0,463,470	A2	Hoffman-LaRoche	01-02-1992		
	BG	EP	0,839,813	A1	Yamasa Corp.	05-06-1998		
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	BJ	WO	92/08727	A1	Consig. Naz. Ricerche	05-29-1992		
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	BQ	WO	97/37993	A1	Yamasa Corporation	10-16-1997		
	BR	WO	98/18430	A2	Univ. North Carolina Chapel Hill	05-07-1998		
	BS	WO	99/43691	A1	Emory Univ.; Univ. Georgia R. F.	09-02-1999		

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Sheet	3	of	4	Attorney Docket Number	18085.105232 EMU 2000 CON

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	CA	BALAKRISHNA, P.S., <i>et al.</i> , "Inhibition of Hepatitis B. Virus by a Novel L-Nucleoside, 2'-Fluoro-5-Menthyl- -L- arabinofuranosyl Uracil," <i>Antimicrobial Agents and Chemotherapy</i> , 40(2):380-386 (February 1996).	
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	CF	FURMAN, <i>et al.</i> , "The Anti-Hepatitis B. Virus Activities, Cytotoxicities, and Anabolic Profiles of the (-) and (+) Enantiomers of cis-5-Fluoro-1[2-(Hydroxymethyl)-1, 3-oxathiolane-5-yl]-Cytosine" <i>Antimicrobial Agents and Chemotherapy</i> , 36(12):2686-2692 (December 1992).	
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	CI	MACHIDA, H., <i>et al.</i> , "Anti-herpesvirus activity profile of 4'-thioarabinofuranosyl purine and uracil nucleosides and activity of 1-beta-D-2'-fluoro-4'-thioarabinofuranosyl guanine and 2,6-diaminopurine against clinical isolates of human cytomegalovirus." <i>Antiviral Res.</i> , 39(2):129-137 (August, 1998).	
	CJ	MARQUEZ, V.E., <i>et al.</i> , <i>Nucleosides & Nucleotides</i> , 14(3-5):555-558 (1995).	
	CK	MARTIN, <i>et al.</i> , "Synthesis and Antiviral Activity of Monofluoro and Difluoro Analogues of Pyrimidine Deoxyribonucleosides against Human Immunodeficiency Virus (HIV-1), <i>J. Med., Chem.</i> , 33:2137-2145 (1990).	

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Sheet 4 of 4

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	DA	MONTGOMERY, J.A., <i>et al.</i> , "9-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)guanine: A Metabolically Stable Cytotoxic Analogue of 2'-Deoxyguanosine," <i>J. Med. Chem.</i> , 29(11):2389-2392 (November 1986).	
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	DC	OKABE, M., <i>et al.</i> , "Synthesis of 1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)cytosine (F-ddC). A Promising Agent for the Treatment of Acquired Immune Deficiency Syndrome," <i>J. Org. Chem.</i> 56:4392-4397 (February 1991).	
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	DE	SCHINAZI, <i>et al.</i> , Mutations in retroviral genes associated with drug resistance, <i>International Antiviral News</i> (1997).	
	DF	SIDDIQUI, M.A., <i>et al.</i> , "A New Synthetic Approach to the Clinically Useful, Anti-HIV Active Nucleoside, 9-(2,3-Dideoxy-2-fluoro-beta-D-threo-pentofuranosyl)adenine (beta-FddA). Introduction of a 2'-beta-Fluoro Substituent via Inversion of a Readily Obtainable 2'-alpha-Fluoro Isomer," <i>Tetrahedron Letters</i> , 39(13):1657-1660 (March 26, 1998).	
	DG	STERZYCKI, <i>et al.</i> , "Synthesis and Anti-HIV Activity of Several 2'-Fluoro-Containing Pyrimidine Nucleosides," <i>J. Med. Chem.</i> , 33(8):2150-2157 (August 1990).	
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	DI	TOYOTA, A., <i>et al.</i> , <i>Tetrahedron</i> , 51(32):8783-8798 (1995).	
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	DK	WANTANABE, <i>et al.</i> , "Synthesis and Anti-HIV Activity of 2'-"Up"-Fluoro Analogues of Active Anti-Aids Nucleosides 3'-Azido-3'-deoxythymidine (AZT) and 2', 3'-dideoxycytidine (DDC)," <i>J. Med. Chem.</i> , 33:2145-2150 (1990).	
	DL	YOAHMURA, Y., <i>et al.</i> , <i>J. Org. Chem.</i> , 64:7912-7920 (1999).	

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